

4-006 PLEASANT VALLEY

Basin Boundaries

Summary

The Pleasant Valley groundwater basin is located in southern Ventura County. The basin is bound on the north by the Springville fault and the Las Posas Hills. The eastern boundary adjoins the Arroyo Santa Rosa Valley groundwater basin and is formed by a constriction in Arroyo Santa Rosa related to faulting and folding (CSWRB, 1956; Turner, 1975). The basin is bound on the south by the Santa Monica mountains and on the west by the Oxnard subbasin. Ground surface elevations range from about 15 feet in the southwest to about 600 feet above sea level in the northeast. Calleguas Creek and other tributary creeks drain the surface waters of the area westward toward the Pacific Ocean. Average annual precipitation ranges from 12 to 16 inches. The boundary is defined by four (4) segments detailed in the descriptions below.

Segment Descriptions

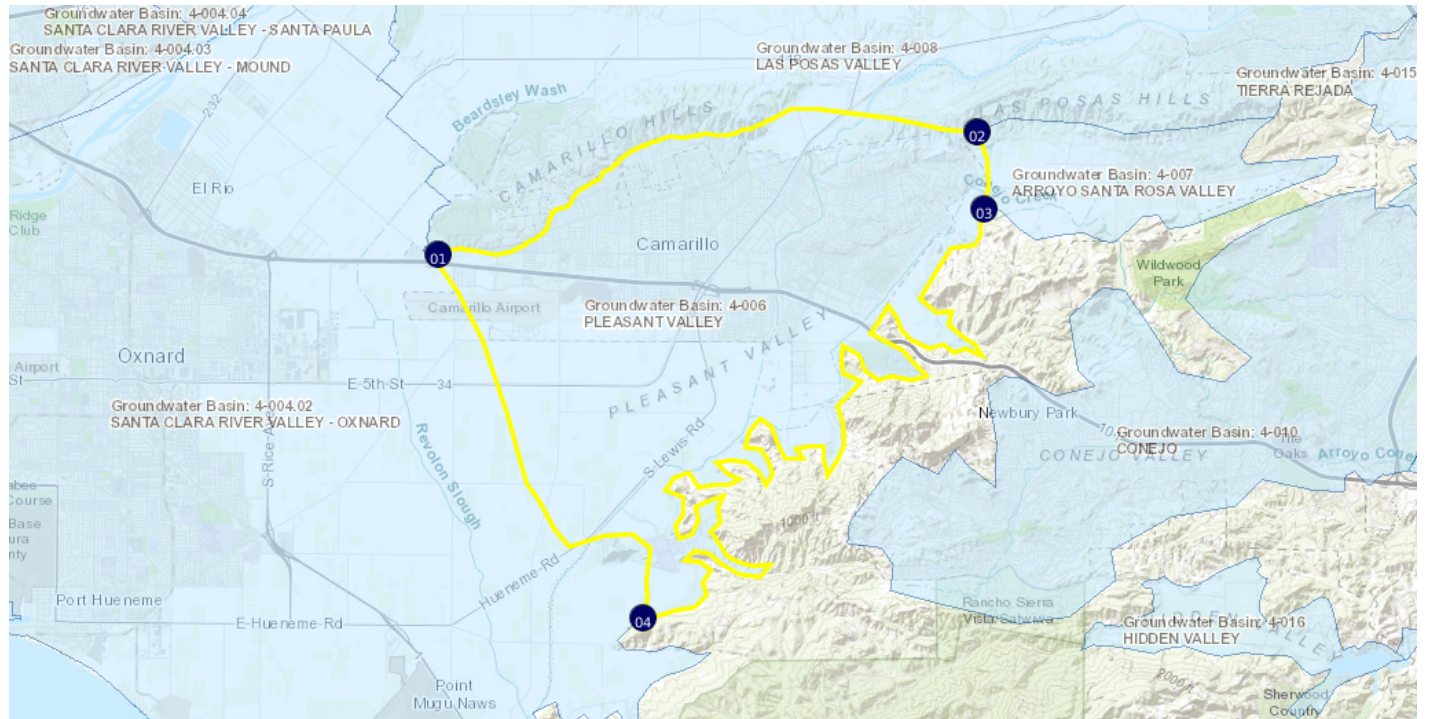
<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^I Fault	Begins from point (1) and follows the Springville fault to point (2).	{a}
2-3	^I Fault	Continues from point (2) and crosses the Quaternary alluvium along faults, folds, and a surface drainage divide to point (3).	{b}
3-4	^E Alluvial	Continues from point (3) and generally follows the contact of Quaternary alluvium with Tertiary Conejo Volcanics to point (4).	{c}
4-1	^I Non-Alluvial	Continues from point (4) across the Quaternary alluvium and ends at point (1).	{b}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	34.223266492	-119.100128913	
2	34.248500192	-118.965440161	
3	34.232730614	-118.963771127	
4	34.14816428	-119.048955984	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=4-006>

References

Ref	Citation
{a}	California Geological Survey (CGS), Fault Activity Map of California, Geologic Data Map No. 6.URL: 1
{b}	Ventura County Public Works, Compilation of Technical Information Records for the Ventura County C Turner. http://www.unitedwater.org/images/stories/Resource-Conservation/GW-Management/Groundwat
{c}	California Geological Survey (CGS), Geologic Atlas of California Map No. 008, Los Angeles Sheet, , 1: http://www.quake.ca.gov/gmaps/GAM/losangeles/losangeles.html

Footnotes

- I: Internal
- E: External